



# SEQUENCE LISTING

<110> MELKI, Judith  
MUNNICH, Arnold

<120> Spinal Muscular Atrophy Diagnostic Methods

<130> 2121-0140P

<140> 09/109,082

<141> 1998-07-02

<150> 08/545,196

<151> 1995-10-19

<160> 65

<170> PatentIn version 3.2

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tttattgtga tatgggataa cctaggcata ctgcactgta cactctgaca tatgaagtgc      360
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ccactgcaag aaaaccttaa ctgcagccta ataattgttt tctttgggat aactTTTaaa 180  
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85 90 95

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 cacacacaca cacactctct ctctctctct ctctctctct ctctctctct ctctctctca 180  
 aaaacacttg gtctgttatt tttncgaaat tgtcagtcac agttatctgt tagaccaaag 240  
 ctgngtaagn acatttatta cattgacctc tacaacttca tcagctaata tatttgctat 300  
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 35 40 45  
 Ser Phe Lys His Ala Leu Lys Asn Gly Asp Ile Cys Glu Thr Ser Gly  
 50 55 60  
 Lys Pro Lys Thr Thr Pro Lys Arg Lys Pro Ala Lys Lys Asn Lys Ser  
 65 70 75 80  
 Gln Lys Lys Asn Thr Ala Ala Ser Leu Gln Gln Trp Lys Val Gly Asp  
 85 90 95  
 Lys Cys Ser Ala Ile Trp Ser Glu Asp Gly Cys Ile Tyr Pro Ala Thr  
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Gly Asn Lys Ser Asp Asn Ile Lys Pro Lys Ser Ala Pro Trp Asn Ser		
	180	185 190
Phe Leu Pro Pro Pro Pro Pro Met Pro Gly Pro Arg Leu Gly Pro Gly		
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Lys Pro Gly Leu Lys Phe Asn Gly Pro Pro Pro Pro Pro Pro Pro Pro		
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Pro Pro His Leu Leu Ser Cys Trp Leu Pro Pro Phe Pro Ser Gly Pro		
225	230	235 240
Pro Ile Ile Pro Pro Pro Pro Pro Ile Cys Pro Asp Ser Leu Asp Asp		
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Gln Glu Asp Thr Val Leu Phe Arg Arg Gly Thr Gly Gln Ser Asp Asp	
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Ser Asp Ile Trp Asp Asp Thr Ala Leu Ile Lys Ala Tyr Asp Lys Ala	
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Val Ala Ser Phe Lys His Ala Leu Lys Asn Gly Asp Ile Cys Glu Thr	
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Pro Asp Lys Pro Lys Gly Thr Ala Arg Arg Lys Pro Ala Lys Lys Asn	
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Tyr Thr Gly Tyr Gly Asn Arg Glu Glu Gln Asn Leu Ser Asp Leu Leu	
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Asn Glu Ser Gln Val Ser Thr Asp Asp Ser Glu His Ser Ser Arg Ser	
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Leu Arg Ser Lys Ala His Ser Lys Ser Lys Ala Ala Pro Trp Thr Ser	
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Phe Leu Pro Pro Pro Pro Pro Met Pro Gly Ser Gly Leu Gly Pro Gly	
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Lys Pro Gly Leu Lys Phe Asn Gly Pro Pro Pro Pro Pro Pro Leu Pro	
205 210 215	
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Pro Pro Pro Phe Leu Pro Cys Trp Met Pro Pro Phe Pro Ser Gly Pro	
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Thr Asp Ala Leu Gly Ser Met Leu Ile Ser Trp Tyr Met Ser Gly Tyr	
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35 40 45

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85 90 95

Ala Val Trp Ser Glu Asp Gly Cys Ile Tyr Pro Ala Thr Ile Thr Ser
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Ile Asp Phe Lys Arg Glu Thr Cys Val Val Val Tyr Thr Gly Tyr Gly
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Val Ala Asn Ser Thr Glu Gln Asn Thr Gln Glu Asn Glu Ser Gln Val
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agc ggc ggc agt ggt ggc ggc gtc ccg gag cag gag gat tcc gtg ctg 163  
Ser Gly Gly Ser Gly Gly Gly Val Pro Glu Gln Glu Asp Ser Val Leu  
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Phe Arg Arg Gly Thr Gly Gln  
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tagcgtcttc agcacccttc ttccggccca actctccttc cgcagtgtaa ttttggtatg 274

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gagttgtttt tatttcttac cctttccag agc gat gat tct gac att tgg gat 387  
Ser Asp Asp Ser Asp Ile Trp Asp  
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Asp Thr Ala Leu Ile Lys Ala Tyr Asp Lys Ala Val Ala Ser Phe Lys  
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Asp Lys Cys Ser Ala Ile Trp Ser Glu Asp Gly Cys Ile Tyr Pro Ala	
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Pro Lys Ser Ala Pro Trp Asn Ser Phe Leu Pro Pro Pro Pro Met	
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	Ile Ile Pro Pro	
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Phe Arg Gln Asn Gln Lys Glu Gly Arg Cys Ser His Ser Leu Asn		
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